10/25/2005

Bank: (Aviation Mechanic Airframe) Airman Knowledge Test Question Bank

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pdf

1. A02A AM	1Α
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The cantilever wing uses

- A) external struts or wire bracing.
- B) no external bracing.
- C) the skin to carry most of the load to the wing butt.

2. A02A AMA

Which of the following conditions will determine acceptance of wood with mineral streaks?

- A) Careful inspection fails to reveal any decay.
- B) They produce only a small effect on grain direction.
- C) Local irregularities do not exceed limitations specified for spiral and diagonal grain.

3. A02A AMA

The I beam wooden spar is routed to

- A) increase strength.
- B) obtain uniform strength.
- C) reduce weight.

4. A03A AMA

Glue deterioration in wood aircraft structure is indicated

- A) when a joint has separated and the glue surface shows only the imprint of the wood with no wood fibers clinging to the glue.
- B) when a joint has separated and the glue surface shows pieces of wood and/or wood fibers clinging to the glue.
- C) by any joint separation.

5. A03A AMA

Laminated wood is sometimes used in the construction of highly stressed aircraft components. This wood can be identified by its

4. Cellulose tape.

A) 1 and 2.

1/6 x height = stroke or line width.

A) 52 inches.

A piece of sheet metal is bent to a certain radius. The curvature of the bend is referred to as the

C) testing with a 10 percent solution of caustic soda.

D₀7A

A) filing the metal.

27.

B) testing with an acetic acid solution.

(Refer to Airframe figure 4.) The length of flat A is	
A) 3.750 inches.	
3) 3.875 inches.	
C) 3.937 inches.	
28. D07A	AMA
(Refer to Airframe figure 5.) What is the flat layout dimensio	on?
A) 7.0 inches.	
3) 6.8 inches.	
C) 6.6 inches.	
29. D02A	AMA
When inspecting a composite panel using the ring test/tapp	ing method, a dull thud may indicate
A) less than full strength curing of the matrix.	
3) separation of the laminates.	
C) an area of too much matrix between fiber layers.	
30. D02A	AMA
One of the best ways to assure that a properly prepared bates	tch of matrix resin has been achieved is
A) perform a chemical composition analysis.	
3) have mixed enough for a test sample.	
C) test the viscosity of the resin immediately after mixing.	
31. D02A	AMA
When repairing puncture type damage of a metal faced lam the doubler should be tapered to	inated honeycomb panel, the edges of
A) two times the thickness of the metal.	
3) 100 times the thickness of the metal.	
C) whatever is desired for a neat, clean appearance.	
32. D02A	AMA
Sandwich panels made of metal honeycomb construction at type of construction	re used on modern aircraft because this
A) is lighter than single sheet skin of the same strength and	is more corrosion resistant.
B) may be repaired by gluing replacement skin to the inner (C) has a high strength to weight ratio.	core material with thermoplastic resin.
33. D02A	AMA

Timilari Timo wreage Test (Question Built	
Which of these m water?	ethods may be used to ins	pect fiberglass/honeycomb structures for entrapped
1. Acoustic emiss	sion monitoring.	
2. X-ray.		
3. Backlighting.		
A) 1 and 2.		
B) 1 and 3.		
C) 2 and 3.		
34.	D04A	AMA
What is the most	common method of cemen	iting transparent plastics?
A) Heat method.		
B) Soak method.		
C) Bevel method.		
35.	D04A	AMA
If no scratches ar surfaces should b	-	plastic enclosure materials have been cleaned, their
A) polished with r	rubbing compound applied	with a damp cloth.
B) buffed with a c	clean, soft, dry cloth.	
C) covered with a	a thin coat of wax.	
36.	D04A	AMA
Cabin upholstery	materials installed in curre	nt standard category airplanes must
A) be fireproof.		
B) be at least flan	ne resistant.	
C) meet the requi	irements prescribed in Part	43.
37.	D04A	AMA
-	ansparent plastic enclosure and self-locking nuts, the nu	es which are retained by bolts extending through the ts should be
A) tightened to a	firm fit, plus one full turn.	
B) tightened to a	firm fit, then backed off one	e full turn.
C) tightened to a	firm fit.	
38.	D05A	AMA
(Refer to Airframe	e figure 2.) Select the prefe	rred drawing for proper countersinking.

A) All are acceptable.

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Rivet pitch is the distance between the

A) centers of rive	ts in adjacent rows.	
B) centers of adja	acent rivets in the same row.	
C) heads of rivets	s in the same row.	
45.	D05A	AMA
(Refer to Airframe made by a 100° c	-	n will accurately fit the conical depression
A) 1.		
B) 2.		
C) 3.		
46.	D05A	AMA
What should be t	he included angle of a twist drill for	soft metals?
A) 118°.		
B) 90°.		
C) 65°.		
47.	D05A	AMA
Shallow scratche	s in sheet metal may be repaired by	1
A) burnishing.		
B) buffing.		
C) stop drilling.		
48.	D05A	AMA
• •	t splice is to be used to repair a sec vets is used, the minimum allowable	tion of damaged aluminum skin. If a double overlap will be
A) 1/2 inch.		
B) 3/4 inch.		
C) 13/16 inch.		
49.	D05A	AMA
What is the minin	num edge distance for aircraft rivets	?
A) Two times the	diameter of the rivet shank.	
B) Two times the	diameter of the rivet head.	
C) Three times th	ne diameter of the rivet shank.	
50.	D05A	AMA
What is the minin	num spacing for a single row of airc	raft rivets?

A) Bleeder.B) Breather.

C) Release.

56.	D03A	AMA
When making repair. The final cleaning sh	s to fiberglass, cleaning of the area to be nould be made using	e repaired is essential for a good bond.
A) MEK (methyl ethy	/l ketone).	
B) soap, water, and	a scrub brush.	
C) a thixotropic ager	nt.	
57.	D03A	AMA
Fiberglass laminate	damage not exceeding the first layer or	ply can be repaired by
, , ,	consisting of a compatible resin and cle	
, ,	aged area until aerodynamic smoothnes	s is obtained.
C) trimming the roug	th edges and sealing with paint.	
58.	D03A	AMA
Fiberglass laminate	damage that extends completely throug	h one facing and into the core
A) cannot be repaire	ed.	
B) requires the repla	cement of the damaged core and facing	3 .
C) can be repaired b	y using a typical metal facing patch.	
59.	D03A	AMA
Which of the following fastener holes in cor	ng, when added to wet resins, provide st nposite panels?	rength for the repair of damaged
1. Microballoons.		
2. Flox.		
3. Chopped fibers.		
A) 2 and 3.		
B) 1 and 3.		
C) 1, 2, and 3.		
60.	D03A	AMA
Which of the following	ng are generally characteristic of carbon	/graphite fiber composites?
1. Flexibility.		
2. Stiffness.		
3. High compressive	strength.	
4. Corrosive effect in	n contact with aluminum.	
5. Ability to conduct	electricity.	
A) 1 and 3.		

MS20426AD-6-5 indicates a countersunk rivet which has

D₀6A

A) a shank length of 5/16 inch (excluding head).
B) a shank length of 5/32 inch (excluding head).

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C) three times the rivet diameter plus .096 inch.

D₀6A

Joggles in removed rivet shanks would indicate partial

72.

A) bearing failure.B) torsion failure.

Hole filling fasteners (for example, MS20470 rivets) should not be used in composite structures

AMA

A) possibility of causing delamination.

primarily because of the

78.

D01A

AMA The Dzus turnlock fastener consists of a stud, grommet, and receptacle. The stud length is measured in A) hundredths of an inch. B) tenths of an inch. C) sixteenths of an inch. 80. E03A **AMA** What method of repair is recommended for a steel tube longeron dented at a cluster? A) Welded split sleeve. B) Welded outer sleeve. C) Welded patch plate. 81. **AMA** E₀₂A The oxyacetylene flame for silver soldering should be A) oxidizing. B) neutral. C) carburizing. **AMA** 82. E04A Welding over brazed or soldered joints is A) not permitted. B) permissible for mild steel. C) permissible for most metals or alloys that are not heat treated. 83. E04A **AMA** A resurfaced soldering iron cannot be used effectively until after the working face has been A) fluxed. B) polished. C) tinned. F₀4A **AMA** 84.

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A) It removes the carbon content.

B) It hardens the surface.

Why should a carburizing flame be avoided when welding steel?

Oxygen and acetylene cylinders are made of

A) seamless aluminum.

B) steel.

B) 80 percent of the full rated strength of the cable.

A) the full rated strength of the cable.

97. F04A AMA

When used in close proximity to magnetic compasses, cotter pins are made of what material?

- A) Corrosion resisting steel.
- B) Anodized aluminum alloy.
- C) Cadmium plated low carbon steel.

98. F05A AMA

If the control stick of an aircraft with properly rigged flight controls is moved forward and to the right, the left aileron will move

- A) up and the elevator will move down.
- B) down and the elevator will move up.
- C) down and the elevator will move down.

99. F05A AMA

Very often, repairs to a control surface require static rebalancing of the control surface. Generally, flight control balance condition may be determined by

- A) checking for equal distribution of weight throughout the control surface.
- B) the behavior of the trailing edge when the surface is suspended from its hinge points.
- C) suspending the control surface from its leading edge in the streamline position and checking weight distribution.

100. F05A AMA

Fairleads should never deflect the alignment of a cable more than

- A) 12°.
- B) 8°.
- C) 3°.

101. F05A AMA

With which system is differential control associated?

- A) Trim.
- B) Aileron.
- C) Elevator.

102. F05A AMA

If control cables are adjusted properly and the control surfaces tend to vibrate, the probable cause is

- A) worn attachment fittings.
- B) oil can effects on the control surfaces.

A) the down travel is more than the up travel.B) the up travel is more than the down travel.

108.

Differential control on an aileron system means that

F₀5A

C) one aileron on wash in and wash		than the aileron on the opposite wing to adjust for
109.	F05A	AMA
the right aileron w A) down and the	vill move elevator will move down.	rigged flight controls is moved rearward and to the left,
•	vator will move down. elevator will move up.	
o, aominana me	olovator will move up.	
110.	F05A	AMA
What is the small A) 1/4 inch. B) 5/16 inch. C) 1/8 inch.	est size cable that may be u	sed in aircraft primary control systems?
111.	F03A	AMA
A) measuring the B) placing a strai position.	ghtedge and bubble protract	g at the rear spar with a bubble protractor. or across the spars while the airplane is in flying ong the front spar of each wing.
112.	F03A	AMA
Where would you aircraft?	find precise information to p	perform a symmetry alignment check for a particular
	ication or Type Certificate Dasservice bulletins.	ata Sheet.
C) Aircraft service	e or maintenance manual.	
A) 137 centimete	F03A e station No. 137 located? rs aft of the nose or fixed ref of the zero or fixed reference ne.	
114.	F06A	AMA
, ,	y necessary to jack an aircra	
A) So aircraft may	y be placed in a level positio	n.

F₀₂A

B) stall the inboard portion of the wings first.C) provide added lift at high angles of attack.

The chord of a wing is measured from

A) wingtip to wingtip.

F01A

What is the purpose of the free wheeling unit in a helicopter drive system?

A) It disconnects the rotor whenever the engine stops or slows below the equivalent of rotor RPM.

Large airplanes and turbine-powered multiengine airplanes operated under Federal Aviation

Regulation Part 91, General Operating and Flight Rules, must be inspected

AMA

G01A

- A) in accordance with an inspection program authorized under Federal Aviation Regulation Part 91, Subpart E.
- B) in accordance with a continuous airworthiness maintenance program (camp program) authorized under Federal Aviation Regulation Part 91, Subpart E.
- C) in accordance with the progressive inspection requirements of Federal Aviation Regulation Section 91.409(d).

133. G01A AMA

Which statement is correct regarding an aircraft that is found to be unairworthy after an annual inspection, due to an item requiring a major repair (assuming approved data is used to accomplish the repair)?

- A) An appropriately rated mechanic may accomplish the repair, and an IA may approve the aircraft for return to service.
- B) An appropriately rated mechanic or repair station may repair the defect and approve the aircraft for return to service.
- C) Only the person who performed the annual inspection may approve the aircraft for return to service, after the major repair.

134. G01A AMA

Which statement about Airworthiness Directives (AD's) is true?

- A) AD's are information alert bulletins issued by the airframe, powerplant, or component manufacturer.
- B) Compliance with an AD is not mandatory unless the aircraft affected is for hire.
- C) Compliance with an applicable AD is mandatory and must be recorded in the maintenance records.

135. K01A AMA

Aircraft tire pressure should be checked

- A) using only a push on stick-type gauge having 1-pound increments.
- B) at least once a week or more often.
- C) as soon as possible after each flight.

136. K01A AMA

What should be checked when a shock strut bottoms during a landing?

- A) Air pressure.
- B) Packing seals for correct installation.
- C) Fluid level.

137. K01A AMA

Overinflated aircraft tires may cause damage to the

A) ensure rapid application and release of the brakes.

B) reduce brake pressure and maintain static pressure.

- B) the power brake reservoir.
- C) a master cylinder.

147. K01A AMA

Internal leakage in a brake master cylinder unit can cause

- A) slow release of brakes.
- B) the pedal to slowly creep down while pedal pressure is applied.
- C) fading brakes.

148. K01A AMA

The purpose of a sequence valve in a hydraulic retractable landing gear system is to

- A) prevent heavy landing gear from falling too rapidly upon extension.
- B) provide a means of disconnecting the normal source of hydraulic power and connecting the emergency source of power.
- C) ensure operation of the landing gear and gear doors in the proper order.

149. K01A AMA

The purpose of an orifice check valve is to

- A) relieve pressure to a sensitive component.
- B) restrict flow in one direction and allow free flow in the other.

C) relieve press	ure in one direction and preve	ent flow in the other direction.
150.	K01A	AMA
A special bolt in foot-pounds are	<u> </u>	quires a torque value of 440 inch-pounds. How many
A) 36.8.		
B) 38.		
C) 36.6.		
151.	K01A	AMA
An O ring intended marked with	ded for use in a hydraulic syste	em using MIL-H-5606 (mineral base) fluid will be
A) a blue stripe	or dot.	
B) one or more	white dots.	
C) a white and y	ellow stripe.	
152.	K01A	AMA
Which statemer type brake asse		craft equipped with hydraulically operated multiple disk
•	minimum or maximum disk c ylinder assemblies.	learance checks required due to the use of self
B) Do not set pa	arking brake when brakes are	hot.
C) No parking b	rake provisions are possible f	or this type of brake assembly.
153.	K01A	AMA
	a hydraulic system with a consecond on the system?	stant delivery pump allows circulation of the fluid when
A) Pressure reli	ef valve.	
B) Shuttle valve		
C) Pressure reg	ulator.	
154.	K01A	AMA
How long should	d you wait after a flight before	checking tire pressure?
A) At least 2 ho	urs (3 hours in hot weather).	
B) At least 3 ho	urs (4 hours in hot weather).	
C) At least 4 ho	urs (5 hours in hot weather).	
155.	K01A	AMA
Lockout deboos	ters are primarily pressure red	ducing valves that

A) allow full debo pressure chamb		d from the high pressure side entering the low
B) cannot allow to pressure chamber		out fluid from the high pressure side entering the low
C) must be bled	separately after brake bleeding	has been completed.
156.	K01A	AMA
An electric moto	r used to raise and lower a land	ding gear would most likely be a
A) shunt field se	ries wound motor.	
B) split field shur	nt wound motor.	
C) split field serie	es wound motor.	
157.	K01A	AMA
A landing gear p	osition and warning system wil	I provide a warning in the cockpit when the throttle is
A) retarded and	gear is not down and locked.	
B) advanced and	d gear is down and locked.	
C) retarded and	gear is down and locked.	
158.	K01A	AMA
Excessive wear	in the center of the tread of an	aircraft tire is an indication of
A) incorrect cam	ber.	
B) excessive toe	out.	
C) overinflation.		
159.	K01A	AMA
• •	shock strut is filled with fluid, ca at least two times to	are should be taken to extend and compress the
A) thoroughly lub	oricate the piston rod.	
B) force out any		
C) ensure prope	r packing ring seating and remo	oval of air bubbles.
160.	K01A	AMA
In shock struts, o	chevron seals are used to	
A) absorb botton	ning effect.	
B) prevent oil fro		
C) serve as a be	earing surface.	
161.	K01A	AMA
How can it be de	etermined that all air has been p	ourged from a master cylinder brake system?

A) By operating a deflection.	a hydraulic unit and watching the	system pressure gauge for smooth, full scale
B) By noting whe	ether the brake is firm or spongy.	
C) By noting the	amount of fluid return to the mas	ster cylinder upon brake release.
162.	K01A	AMA
In brake service	work, the term 'bleeding brakes'	is the process of
A) withdrawing a	ir only from the system.	
B) withdrawing fl	uid from the system for the purpo	ose of removing air that has entered the system.
C) replacing sma	all amounts of fluid in reservoir.	
163.	K01A	AMA
What is one effe	ct a restricted compensator port	of a master cylinder will have on a brake system?
A) The brakes w	ill operate normally.	
B) The reservoir	will be filled by reverse flow.	
C) The restriction	n will cause slow release of the b	rakes.
164.	K01A	AMA
What would be th	ne effect if the piston return sprin	g broke in a brake master cylinder?
A) The brakes w	ould become spongy.	
B) The brake trav	vel would become excessive.	
C) The brakes w	ould drag.	
165.	K01A	AMA
•	e right brake on an aircraft is spo The probable cause is	ongy when the brake pedal is depressed in a
A) the hydraulic	master cylinder piston is sticking	
B) air in the brak	e hydraulic system.	
C) the hydraulic	master cylinder piston return spr	ng is weak.
166.	K01A	AMA
The metering pin	s in oleo shock struts serve to	
A) lock the struts	in the DOWN position.	
•	v of oil as the struts are compres	sed.
C) meter the pro	per amount of air in the struts.	
167.	K01A	AMA
Why do tire and		nmend that the tires on split rim wheels be deflated

B) As a safety precaut or weakened.	tion in case the bo	aining nut and axle threads. Its that hold the wheel halves together have been damaged boon the wheel bearings by the inflated tire.
168. Many brake types can adaptable to mechanic A) Single disk spot type B) Single servo type. C) Expander tube type	cal operation? be.	AMA erate mechanically or hydraulically. Which type is not
169. Exposure to and/or sto 1. Low humidity. 2. Fuel. 3. Oil. 4. Ozone. 5. Helium. 6. Electrical equipmen 7. Hydraulic fluid. 8. Solvents. A) 2, 3, 4, 5, 6, 7, 8. B) 1, 2, 3, 5, 7, 8. C) 2, 3, 4, 6, 7, 8.		AMA of the following is considered harmful to aircraft tires?
170. Two types of hydraulic A) mineral base, and p B) mixed mineral base C) petroleum base and	ohosphate ester ba e and phosphate e	ster base.
171.(1) Materials which are polyurethane and epo	•	AMA ble or resistant include most common aircraft metals and

A) neither No. 1 nor No. 2 is true.

Regarding the above statements,

(2) Skydrol hydraulic fluid is compatible with nylon and natural fibers.

L₀₂A

Which of the following is 1. MIL-H-5606 hydraulic 2. Skydrol hydraulic fluid 3. None of the above. A) 1 and 2. B) 3. C) 2.	fluid.	d by atmospheric humidity if left unprotected?
178. Which must be done be	L03A fore adjusting the r	AMA elief valve of a main hydraulic system incorporating a
oressure regulator?	, 3	, , , , ,
A) Eliminate the action of	of the unloading va	ve.
		ch have a lower pressure setting.
C) Manually unseat all s	system check valve	s to allow unrestricted flow in both directions.
179.	L03A	AMA
The unit which causes on the causes of the c	one hydraulic opera	tion to follow another in a definite order is called a
180.	L03A	AMA
Severe kickback of the onlicate which of the following the	• • •	ic hand pump handle during the normal intake stroke will
A) The hand pump inpo	rt check valve is st	cking open.
B) The main system reli	ief valve is set too l	nigh.
C) The hand pump outp	ort check valve is	sticking open.
181.	L03A	AMA
The main system pressovalve should be adjuste		simple hydraulic system equipped with a power control
A) with the power contro	ol valve held in the	CLOSED position.
3) while one or more ac	ctuating units are in	operation.
C) with the power contro	ol valve in the OPE	N position.
182.	L03A	AMA
After a hydraulic accum	ulator has been ins	talled and air chamber charged, the main system ydraulic pressure reading until

A) at least one seleaccumulator.	ector valve has been actu	ated to allow fluid to flow into the fluid side of the
•	has become equal to the the accumulator has bee	•
183.	L03A	AMA
Which seals are us	sed with petroleum base l	nydraulic fluids?
A) Polyester.		
B) Butyl rubber.		
C) Buna-N.		
184.	L03A	AMA
fluid flow in the line generally referred	e, but closed if the fluid flo	ce which is designed to remain open to allow a normal ow increases above an established rate. This device is
A) hydraulic fuse.		
B) flow regulator.		
C) metering check	valve.	
185.	L03A	AMA
How is the air in a	hydraulic accumulator pro	evented from entering the fluid system?
A) By forcing the olerwise leaving the accum	•	entrifugal separating chamber that prevents the air from
B) By physically se separator.	eparating the air chamber	from the oil chamber with a flexible or movable
C) By including a v	alve that automatically cl	oses when the fluid level lowers to a preset amount.
186.	L03A	AMA
The primary function	on of the flap overload va	lve is to
A) prevent the flap	s from being lowered at a	airspeeds which would impose excessive structural loads.
•	e aircraft will not become	osite sides of the aircraft centerline to extend and retract aerodynamically unbalanced to the extent that it
C) boost normal sy relatively large flap		s in order to overcome the air loads acting on the
187.	L03A	AMA
	adjust several pressure should be followed?	regulating valves in a hydraulic system, what particular
A) Units most dista	ant from the hydraulic pur	np should be adjusted first.

If two actuating cylinders which have the same cross sectional area but different lengths of stroke

AMA

L₀3A

are connected to the same source of hydraulic pressure, they will exert

A) different amounts of force but will move at the same rate of speed.

B) equal amounts of force but will move at different rates of speed.

B) inport/outport orifice check valve.C) hand pump outport check valve.

C) equal amounts of force	e and will move at the same rate	e of speed.
193. Heat exchanger cooling u A) fluid flammability. B) high pressures and hig C) the high heat generate	gh rates of fluid flow.	AMA Ift hydraulic systems because of
•	L03A el of a bend are not permissible, hey are less than what percent	AMA they are acceptable in the remainder of a of the tube diameter?
195. If hydraulic fluid is release of A) excessive accumulato B) a leaking check valve. C) a ruptured diaphragm	r air pressure.	AMA e accumulator is depressed, it is evidence
A) lower pressure than th B) higher pressure than th	•	AMA a
out the system still has hy A) Read it directly from th B) Build up system press attached to the air side of	ydraulic pressure? he main system pressure gauge ure with the emergency pump a the accumulator.	AMA e determined if the engine is inoperative, with all actuators inoperative. and then read the pressure on a gauge at which a rapid pressure drop begins as it
198. What is the main purpose	L03A e of a pressurized reservoir in a	AMA hydraulic system?

A) Prevent tank	collapse at altitude.	
B) Prevent hydra	aulic pump cavitation.	
C) Prevent hydra	aulic fluid from foaming.	
199.	L03A	AMA
Hydraulic fluid fil	tering elements constructed	of porous paper are normally
A) cleaned and ı	eused.	
B) discarded at ı	egular intervals and replace	d with new filtering elements.
C) not approved	for use in certificated aircraf	t.
200.	L03A	AMA
Hydraulic systen	n accumulators serve which	of the following functions?
1. Dampen pres	sure surges.	
2. Supplement th	ne system pump when dema	nd is beyond the pump's capacity.
Store power for	or limited operation of compo	onents if the pump is not operating.
4. Ensure a cont	inuous supply of fluid to the	pump.
A) 2, 3.		
B) 1, 2, 3, 4.		
C) 1, 2, 3.		
201.	L03A	AMA
Quick disconned	ct couplings in hydraulic syste	ems provide a means of
A) easily replaci	ng hydraulic lines in areas w	here leaks are common.
	ecting and disconnecting hyd tering the system.	raulic lines and eliminate the possibility of
C) quickly conne the system.	ecting and disconnecting hyd	raulic lines without loss of fluid or entrance of air into
202.	L03A	AMA
A hydraulic pum	p is a constant-displacement	type if it
A) produces an	unregulated constant pressu	re.
B) produces a co	ontinuous positive pressure.	
C) delivers a uni	form rate of fluid flow.	
203.	L03A	AMA
•	I, no hydraulic pressure is av	is running, the pressure is normal. However, when the railable. This is an indication of a

L01A

Which characteristics apply to aircraft hydraulic systems?

vibration.

1. Minimum maintenance r 2. Lightweight.	requirements.	
4. Simple to inspect.	ting efficiency (20 percent loss due to	o fluid friction).
A) 1, 2, 3, 4. B) 1, 3, 4.		
C) 1, 2, 4.		
210.	L01A	AMA
A) maintain system operati B) regulate the amount of t	re regulator in a hydraulic system is ing pressure within a predetermined fluid flow to the actuating cylinders wonents or rupture of hydraulic lines up	range and to unload the pump. rithin the system.
211.	L01A	AMA
simultaneous flow of fluid i	e is one of the most commonly used nto and out of a connected actuating	
A) Four port, closed center		
3) Three port, four way val C) Two port, open center v		
24.0	1.04.4	A B A A
212. Pneumatic systems utilize	L01A	AMA
A) return lines.		
B) relief valves.		
C) diluter valves.		
213.	L01A	AMA
An aircraft pneumatic systecompressor, also requires A) an oil separator. B) a surge chamber. C) a moisture separator.	em, which incorporates an engine dr	iven multistage reciprocating
214.	L01A	AMA
What type of packings sho containing Skydrol?	uld be used in hydraulic components	s to be installed in a system
A) AN packings made of na	atural rubber.	

What component might possibly be damaged if liquid refrigerant is introduced into the low side of a vapor cycle cooling system when the pressure is too high or the outside air temperature is too low?

M01A

B) Pressure test with nitrogen.

C) Pressure test with water.

220.

A) Compressor.

A) Every 5 years.

The evacuation of a vapor-cycle cooling system removes any water that may be present by

A) drawing out the liquid.

from a gas to a liquid is the

The point at which freon flowing through a vapor cycle cooling system gives up heat and changes

AMA

M01A

Which best describes cabin differential pressure?

M01A

B) Difference betweer	the ambient and intern	essure and Mean Sea Level pressure. al air pressure. ler setting and actual cabin pressure.
`	M01A ure 13.) Determine what reon refrigeration syster	AMA unit is located immediately downstream of the m.
A) alternately turns the B) meters the amount BTU output.	e fuel on and off, a proc	ering the heater and therefore regulates the heater's
A) produce a high pre	ssure for operation of that the state of a station of a station of a state of the s	
A) check oil and add a B) check oil and add a	as necessary, evacuate	AMA at has lost all of its freon, it is necessary to the system, relieve vacuum, and add freon. the system, and add freon. reon.
	e of the gaseous freon. ure of the liquid freon.	AMA cooling system is to act as a metering device and to
250. The cabin pressurizati	M01A ion modes of operation	AMA are

A) isobaric, diffe	erential, and maximum differenti	al.
B) differential, u	inpressurized, and isobaric.	
C) ambient, unp	pressurized, and isobaric.	
251.	M02A	AMA
What controls th	ne amount of oxygen delivered t	o a mask in a continuous flow oxygen system?
A) Calibrated or	rifice.	
B) Pressure red	lucing valve.	
C) Pilot's regula	ator.	
252.	M02A	AMA
When an aircra	ft's oxygen system has develope	ed a leak, the lines and fittings should be
A) removed and	d replaced.	
B) inspected us	ing a special oxygen system dy	e penetrant.
C) bubble teste	d with a special soap solution m	anufactured specifically for this purpose.
253.	M02A	AMA
Oxygen system	s in unpressurized aircraft are g	enerally of the
A) continuous fl	ow and pressure demand types	
B) pressure der	nand type only.	
C) portable bott	le type only.	
254.	M02A	AMA
Before a high p	ressure oxygen cylinder is servi	ced, it must be the correct type and have been
A) hydrostatical	ly tested within the proper time	interval.
B) approved by	the National Transportation Saf	ety Board.
C) inspected by	a certificated airframe mechani	C.
255.	M02A	AMA
The purpose of to	the airflow metering aneroid ass	sembly found in oxygen diluter demand regulators is
A) regulate airflepositions.	ow in relation to oxygen flow wh	en operating in emergency or diluter demand
B) regulate airfl	ow in relation to cabin altitude w	hen in diluter demand position.
C) automatically	y put the regulator in emergency	position if the demand valve diaphragm ruptures.
256.	M02A	AMA
(1) Oxygen use	d in aircraft systems is at least 9	99.5 percent pure and is practically water free.

(2) Oxygen used in a Regarding the above A) only No. 1 is true. B) both No. 1 and No. 1 nor l	statements, 2. 2 are true.	percent pure and is hospital quality.
257. In a gaseous oxygen skin? A) Pressure relief val B) Filler shutoff valve C) Pressure reducer	ves.	AMA Illowing are vented to blow out plugs in the fuselage
A) green color and th B) yellow color and th	ne words 'BREATHING (ne words 'AVIATOR'S B	AMA or aviation use can be identified by their OXYGEN' stenciled in 1-inch white letters. BREATHING OXYGEN' stenciled in 1-inch white letters REATHING OXYGEN' stenciled in 1-inch white letters.
the A) aircraft manufactu B) Department of Tra	rer or the cylinder manu	AMA stalled in an airplane, it must meet the specifications of ufacturer. he Standards of Compressed Gas Cylinders.
260. A radar altimeter indi A) flight level (pressu B) altitude above sea C) altitude above gro	re) altitude. a level.	AMA
	nal and receiving back a ransmitted from ground	_

A) retard precession of the float.

B) reduce deviation errors.

266.

N01A

Magnetic compass bowls are filled with a liquid to

N01A

3. A certificated repair station approved for that class instrument.

Who is authorized to repair an aircraft instrument?

A certificated repairman with an airframe rating.

1. A certified mechanic with an airframe rating.

C) Part 43, appendix E.

Č		
4. A certificated a	irframe repair station.	
A) 1, 2, 3, and 4.		
3) 3 and 4.		
C) 3.		
273.	N01A	AMA
Fuel flow transmi	tters are designed to transmi	t data
A) mechanically.		
B) electrically.		
C) utilizing fluid p	ower.	
274.	N01A	AMA
•	an angle of attack indicating he airstream flows in a direc	system is based on detection of differential pressure tion
A) not parallel to	the true angle of attack of the	e aircraft.
B) parallel to the	angle of attack of the aircraft	•
C) parallel to the	longitudinal axis of the aircra	ft.
275.	N01A	AMA
What does a recipoperating?	procating engine manifold pr	essure gauge indicate when the engine is not
A) Zero pressure		
3) The differentia	I between the manifold press	sure and the atmospheric pressure.
C) The existing a	tmospheric pressure.	
276.	N02A	AMA
The method of m	ounting aircraft instruments i	n their respective panels depends on the
A) instrument ma	nufacturer.	
B) design of the i	nstrument case.	
C) design of the i	nstrument panel.	
277.	N02A	AMA
Aircraft instrumer	nt panels are generally shock	mounted to absorb
A) all vibration.		
3) low frequency,	high amplitude shocks.	
C) high frequency	, high amplitude shocks.	
278.	N02A	AMA

What marking co A) Red. B) White. C) Yellow.	olor is used to indicate if a cov	er glass has slipped?
279. The green arc o	N02A n an aircraft temperature gaug	AMA je indicates
A) the instrumer	nt is not calibrated.	
•	temperature range.	
ン) a low, unsafe	e temperature range.	
280.	N02A	AMA
<u>-</u>	e and glass with a slippage maglass.	vacuum operated instrument glass loose? ark.
281.	N02A	AMA
An aircraft instru	ument panel is electrically bond	ded to the aircraft structure to
A) act as a restr	aint strap.	
<i>,</i> .	ent return paths.	
C) aid in the par	nel installation.	
282.	N02A	AMA
Where may a pe engine instrume		necessary to determine the required markings on an
I. Engine manu	facturer's specifications.	
2. Aircraft flight	manual.	
	anufacturer's specifications.	
	enance manual.	
A) 2 or 4.		
3) 1 or 4.		
C) 2 or 3.		
283.	N02A	AMA
A certificated me	echanic may perform	
A) minor repairs	s to instruments.	
3) 100-hour insp	pections of instruments.	

A) continually transmit heading, speed, and rate of climb/decent etc. information to ATC.

AMA

In general, the purpose of an aircraft transponder is to

O02A

C) Control/display unit.

C) receive an interrogati	ion signal from a grou	nd station and automatically send a reply back.
289.	O02A	AMA
Static dischargers help of atmosphere at A) low current levels. B) high voltage level. C) high current levels.	eliminate radio interfe	rence by dissipating static electricity into the
290. An aircraft antenna insta A) to the airframe. B) to the engine. C) to the radio rack.	O02A allation must be grour	AMA
291.	O02A	AMA
When must the radio stands and the A) When the aircraft is read to the A) When the aircraft is continuous the A) When the A) When the A) When the A)	operated outside the Ueturned to service.	yed in an aircraft equipped with a two-way radio? J.S
292.	O02A	AMA
The preferred location on A) where it is readily accurate B) as far aft as possible. C) as far aft as possible.	cessible to the pilot or	a member of the flightcrew while the aircraft is in flight.
293.	O02A	AMA
A) By removing the batte the useful life remains. B) By observing the batt	eries and testing then tery replacement date	rified for an emergency locator transmitter (ELT)? n under a measured load to determine if 50 percent of marked on the outside of the transmitter.
C) By activating the tran	ismitter and measurin	g the signal strength.
294. In an autopilot, which sig A) Displacement signal. B) Course signal.	-	AMA signal to the ailerons?

Dutch roll, a combination yawing and rolling oscillation that affects many sweptwing aircraft, is

AMA

O01A

300.

counteracted with

A) a flight director system.

B) an aileron damper system.

306.

A) null position.

B) angle of incidence.

O03A

When installing a DME antenna, it should be aligned with the

Aircraft pressure fueling systems instructional procedures are normally placarded on the

B) lower wing surface adjacent to the access door.

A) fuel control panel access door.

C) aircraft ground connection point.

Regarding the above statements,

B) both No. 1 and No. 2 are true.

C) neither No. 1 nor No. 2 is true.

A) only No. 2 is true.

319.	P07A	AMA
` '		tem, a pressure refueling receptacle and control panel or all fuel tanks of an aircraft.
(2) Because of the aircraft.	fuel tank area, there are r	more advantages to a pressure fueling system in light
Regarding the abo	ve statements,	
A) only No. 1 is tru	e.	
B) only No. 2 is tru	e.	
C) both No. 1 and	No. 2 are true.	
320.	P07A	AMA
	•	tank which is known to be uncontaminated with dirt or ank sumps and system strainers
•	ed except for the strainer of 100-hour or annual inspe	check before the first flight of the day and the fuel tank ections.
B) are still necessar	ary due to the possibility of	f contamination from other sources.
,	reduced since contaminat odern aircraft fuel systems	ion from other sources is relatively unlikely and of little s.
321.	P07A	AMA
What type of fuel b	ooster pump requires a p	ressure relief valve?
A) Concentric.		
B) Sliding vane.		
C) Centrifugal.		
322.	P07A	AMA
•	23, what minimum required reciprocating engine-power	d markings must be placed at or near each appropriate ered airplanes?
A) The word 'Avga	s' and the minimum fuel g	rade.
B) The word 'Fuel'	and usable fuel capacity.	
C) The word 'Avga	s' and the total fuel capac	ity.
323.	P07A	AMA
Why are centrifuga	al type boost pumps used	in fuel systems of aircraft operating at high altitude?
A) Because they a	re positive displacement p	oumps.
B) To supply fuel u	ınder pressure to engine o	Iriven pumps.

C) To permit cooling air to circulate around the motor.

B) It senses the total amount of fuel density.

P₀₅A

A) It sends an electric signal to the fuel quantity indicator.

file:///S|/Craig%20S/Test%20Banks/AMA.htm (58 of 80)10/25/2005 8:06:01 AM

What is the purpose of a float operated transmitter installed in a fuel tank?

C) It senses the dielect	ric qualities of fuel and	d air in the tank.
330. An electrical type fuel of A) float operated transmall B) float resting on the single C) float operated received.	mitter installed in the taurface of the tank.	
331. How does temperature A) Cold fuel is heavier B) Warm fuel is heavier C) Temperature has no	per gallon. r per gallon.	AMA
332.A capacitance type fueA) pounds.B) pounds per hour.C) gallons.	P05A I quantity indicating sy	AMA estem measures fuel in
A) the indicators are ca	llibrated in gallons; the and one indicator are	AMA el quantity indicating systems is that erefore, no conversion is necessary. needed regardless of the number of tanks. e indicator.
334.A probe or a series of pA) Selsyn.B) Capacitor.C) Synchro.	P05A probes is used in what	AMA kind of fuel quantity indicating system?
335. A drip gauge may be use A) the amount of fuel in B) system leakage with C) fuel pump diaphrage	n the tank. n the system shut dow	AMA n.

If it is necessary to enter an aircraft's fuel tank, which procedure should be avoided?

C) Conduct the defueling and tank purging operation in an air conditioned building.

B) Station an assistant outside the fuel tank access to perform rescue operations if required.

AMA

What is one purpose of a fuel tank vent?

342.

A) Continue purging the tank during the entire work period.

P₀₄A

346.

- B) slightly decrease and then drop rapidly.
- C) remain the same until the cutoff is effected, then drop rapidly.

347. P06A **AMA**

- (1) A fuel pressure relief valve is required on an aircraft positive displacement fuel pump.
- (2) A fuel pressure relief valve is required on an aircraft centrifugal fuel boost pump.

Regarding the above statements,

- A) only No. 1 is true.
- B) only No. 2 is true.
- C) both No. 1 and No. 2 are true.

348.	P06A	AMA
(1) A fuel heater c	an use engine bleed air a	as a source of heat.
(2) A fuel heater c	an use engine lubricating	oil as a source of heat.
Regarding the abo	ove statements,	
A) only No. 1 is tru	ue.	
B) both No. 1 and	No. 2 are true.	
C) neither No. 1 n	or No. 2 is true.	
349.	P06A	AMA
(1) The function of	f a fuel heater is to proted	ct the engine fuel system from ice formation.
(2) An aircraft fuel	heater cannot be used to	o thaw ice in the fuel screen.
Regarding the abo	ove statements,	
A) only No. 1 is tru	ue.	
B) only No. 2 is tru	ue.	
C) both No. 1 and	No. 2 are true.	
350.	P06A	AMA
Which of the follow aircraft fuel system	•	ul to locate and troubleshoot an internal fuel leak in an
A) Aircraft structur	re repair manual.	
B) Illustrated parts	s manual.	
C) A fuel system s	schematic.	
351.	P06A	AMA
A fuel pressure wa	arning switch contacts clo	se and warning light is turned on when
A) a measured qu	antity of fuel has passed	through it.
B) the fuel flow sto	ops.	
C) the fuel pressu	re drops below specified	limits.
352.	P06A	AMA
	sed on turbine powered a langer of forming ice crys	ircraft to determine when the condition of the fuel is tals?
A) Fuel pressure v	warning.	
B) Fuel pressure of	gauge.	
C) Fuel temperatu	re indicator.	
353.	P06A	AMA
What is the purpos	se of flapper type check v	valves in integral fuel tanks?

A) To allow defu	eling of the tanks by suction.	
B) To prevent fu	el from flowing away from the b	poost pumps.
C) To allow the	engine driven pumps to draw fu	iel directly from the tank if the boost pump fails.
054	Door	0.04.0
354.	P06A	AMA
	be adjusted to change the fuel	pressure warning limits?
A) Fuel flowmete	•	
,	sitive mechanism.	
C) Fuel pressure	e relief valve.	
355.	Q04A	AMA
CSD driven gen	erators are usually cooled by	
A) oil spray.	,	
B) an integral fa	n.	
,	and an integral fan.	
356.	Q04A	AMA
Integrated drive	generators (IDG) employ a typ	e of high output ac generator that utilizes
A) brushes and	slip rings to carry generated dc	exciter current to the rotating field.
B) battery currer	nt to excite the field.	
C) a brushless s	system to produce current.	
257	Q04A	Λ Ν Λ
357.		AMA
		nect is usually accomplished by
A) a switch in the	•	
B) circuit breake		
C) a shear section	on in the input shaft.	
358.	Q03A	AMA
One advantage	of using ac electrical power in a	aircraft is
A) that ac electri	ical motors can be reversed wh	ille dc motors cannot.
•	in stepping the voltage up or de	
	tive voltage is 1.41 times the m	aximum instantaneous voltage; therefore, less
359.	Q03A	AMA
	·	at contains twice as many loops as the primary will be
•	he amperage less than in the p	

The inductor type inverter output voltage is controlled by the A) number of poles and the speed of the motor.

B) voltage regulator.

Q03A

C) dc stator field current.		
366. If any one generator in a 2 A) an out of adjustment vo B) shorted or grounded wi C) a defective reverse cur	ring.	AMA he most likely cause is
367.A voltage regulator controlA) resistance in the generatorB) current in the generatorC) resistance of the gener	output circuit.	AMA
_	Q03A perated in parallel to supply power for ure that all generators share the load of	_
B) decreasing the output of	f the low generator to equal the output of the high generator to equal the outp f the low generator and decreasing the	ut of the low generator.
369.	Q03A	AMA
the A) current flowing through	ngth by changing the reluctance of the	
	switch.	
371.	Q03A	AMA

All Illali Kilowledge Test Que	ESTION BAIK	
normally provide cu A) a stepdown trans B) an inverter and a	•	
372.	Q03A	AMA
Major adjustments accomplished outsi	on equipment such as de the airplane on test ure should be as outling anufacturer.	regulators, contactors, and inverters are best benches with necessary instruments and equipment.
373.	Q03A	AMA
(Refer to Airframe f A) 1. B) 2. C) 3.	igure 18.) Which of the	batteries are connected together incorrectly?
374.	Q02A	AMA
A) Coaxial cables aB) Coaxial cables a	ng of coaxial cables differe routed parallel with some routed at right angle are routed as directly as	s to stringers or ribs.
375.	Q02A	AMA
	described as a single p	ole, double throw switch (SPDT). The throw of a switch
A) circuits each pol	e can complete through	the switch.
B) terminals at which	ch current can enter or	eave the switch.
C) places at which time open or close		oggle, plunger, etc.) will come to rest and at the same
376.	Q02A	AMA
What is an importa	nt factor in selecting air	craft fuses?
A) The current exce	eeds a predetermined v	alue.

C) Capacity matches the needs of the circuit.

B) The voltage rating should be lower than the maximum circuit voltage.

377.	Q02A	AMA	
What is the adva	intage of a circuit breaker whe	en compared to a fuse?	
A) Never needs	replacing.		
3) Always elimin	ates the need of a switch.		
C) Resettable ar	nd reusable.		
378.	Q02A	AMA	
does not limit the redlined at what A) 50. B) 75.	•	enerator or alternator lead, and the regulator systenerator or alternator can deliver, the ammeter of ternator rating?	
C) 100.			
379.	Q02A	AMA	
	tions should be tested for		
A) resistance val			
, З) amperage val			
C) reactance.			
,			
380.	Q02A	AMA	
	ables must pass through hole ted from chafing by	s in bulkheads, formers, ribs, firewalls, etc., the	wires
A) wrapping with	electrical tape.		
3) using a suitab	le grommet.		
C) wrapping with	plastic.		
381.	Q02A	AMA	
		r where it may be exposed to moisture, the mech	nanic
	ector with grease.		
•	moisture proof type.		
•	nector with varnish or zinc ch	romate.	
382.	Q02A	AMA	
f a wire is install given the wire?	ed so that it comes in contact	with some moving parts, what protection should	d be
1) Mran with cof	t wire solder into a shield		

Circuits that must be operated only in an emergency or whose inadvertent activation could

B) push-pull-type circuit breakers only (no switches).

endanger a system frequently employ

A) guarded switches.

C) spring-loaded to d	off toggle or rocker swit	ches.
388.	Q02A	AMA
	of installation, simple n	pecial enclosing means (open wiring) offers the naintenance, and reduced weight. When bundling open
A) be limited as to the	ne number of cables to	minimize damage from a single electrical fault.
B) include at least or	ne shielded cable to pro	ovide good bonding of the bundle to the airframe.
C) be limited to a min stresses on the cable		ive times the bundle diameter to avoid excessive
389.	Q02A	AMA
Which of the following	ng should be accomplis	hed in the installation of aircraft wiring?
A) Support the bund	le to structure and/ or s	olid fluid lines to prevent chafing damage.
B) Provide adequate	slack in the wire bund	le to compensate for large changes in temperature.
C) Locate the bundle	e above flammable fluic	l lines and securely clamp to structure.
390.	Q02A	AMA
When using the volta	age drop method of che	ecking circuit resistance, the
A) input voltage mus	st be maintained at a co	onstant value.
B) output voltage mu	ust be maintained at a d	constant value.
C) input voltage mus	st be varied.	
391.	Q02A	AMA
•	ction boxes located in a	a fire zone are usually constructed of
A) asbestos.	-4l	
B) cadmium plated s	steet.	
C) stainless steel.		
392.	Q02A	AMA
The primary conside	erations when selecting	electric cable size are
A) current carrying c	capacity and allowable v	oltage drop.
B) the voltage and a	mperage of the load it i	must carry.
C) the system voltag	ge and cable length.	
393.	Q01A	AMA
What is the color and	d orientation of the pos	ition lights for navigation on civil airplanes?
A) Left side - green,	right side - red, rear aft	: - white.

B) Left side - red, right side - green, rear aft - white.

399. Q01A AMA What does a rectifier do?

A) Changes direct current into alternating current.

C) Electromagnets using one permanent magnet.

The method most often used in overcoming the effect of armature reaction is through the use of

C) drum wound armatures in combination with a negatively connected series field.

A) interpoles.

B) shaded poles.

406.	Q01A	AMA
The pole pieces of	or shoes used in a dc gener	ator are a part of the
A) armature asse	mbly.	
B) field assembly	•	
C) brush assemb	ly.	
407.	Q01A	AMA
	rent cutout relay contact poi ential, current will flow throu	nts fail to open after the generator output has dropped igh the generator armature
A) in the normal of	direction and through the sh	unt field opposite the normal direction.
B) and the shunt	field opposite the normal dir	ection.
C) opposite the n	ormal direction and through	the shunt field in the normal direction.
408.	Q01A	AMA
To test generator	or motor armature windings	s for opens,
A) place armature light.	e in a growler and connect a	a 110V test light on adjacent segments; light should
B) check adjacen	t segments on commutator	with an ohmmeter on the high resistance scale.
C) use a 12/24V	test light between the armat	ture core segments and the shaft.
409.	Q01A	AMA
For general elect	rical use in aircraft, the acce	eptable method of attaching a terminal to a wire is by
A) crimping.		
B) soldering.		
C) crimping and s	soldering.	
410.	Q01A	AMA
How can it be det	termined if a transformer wir	nding has some of its turns shorted together?
A) Measure the in	nput voltage with an ohmme	ter.
B) The output vol	tage will be high.	
C) The transform	er will get hot in normal ope	ration.
411.	Q01A	AMA
Which of the follouse for an aircraf	_	into consideration when determining the wire size to
1. Mechanical str	ength.	
2. Allowable pow	er loss.	
3. Ease of installa	ation.	

4. Resistance of current re 5. Permissible voltage dro 6. Current carrying capabi 7. Type of load (continuou A) 2, 5, 6, 7. B) 1, 2, 4, 5. C) 2, 4, 6, 7.	lity of the conductor.	e.
412. The most common method connector is by A) crimping. B) soldering. C) crimping and soldering.	Q01A d of attaching a pin or socket to an inc	AMA dividual wire in an MS electrical
413. The pin section of an AN/NA) the power supply side of a circle of a circle of a circle (1) either side of a circle (1)	cuit.	AMA
	Q01A hay be used to repair manufactured has permitted between any two connec	_
415. How should the splices be A) Staggered along the ler B) Grouped together to fac C) Enclosed in a conduit.		AMA in an electrical wire bundle?
416. An antiskid system is A) a hydraulic system. B) an electrohydraulic sys	R01A tem.	AMA

The purpose of antiskid generators is to

R₀₁A

A) only No. 1 is true. B) only No. 2 is true.

422.

C) both No. 1 and No. 2 are true.

What landing gear warning device(s) is/are incorporated on retractable landing gear aircraft?

AMA

C) A horn or other aural device and a red warning light.

A) A visual indicator showing gear position.

R₀₂A

B) A light which comes on when the gear is fully down and locked.

S01A

What is the principle of a windshield pneumatic rain removal system?

AMA

C) Thermometer.

A) An air blast spreads from clinging to the glas	•	nt evenly over the windshield that prevents raindrops
		s raindrops from striking the windshield surface.
·	noval system is sim	ply a mechanical windshield wiper system that is
435.	S01A	AMA
What controls the inflati	on sequence in a p	neumatic deicer boot system?
A) Shuttle valve.		
B) Vacuum pump.		
C) Distributor valve.		
436.	S01A	AMA
What is one check for p	roper operation of a	a pitot/static tube heater after replacement?
A) Ammeter reading.		
B) Voltmeter reading.		
C) Continuity check of s	system.	
437.	S01A	AMA
Which of the following rethe pneumatic deicing s	•	m of the air pump to hold the deicing boots deflated when
A) Distributor valve.		
B) Pressure regulator.		
C) Suction relief valve.		
438.	S01A	AMA
-	•	ne icing by heating the leading edges of the airfoils and ystem usually operated during flight?
A) Continuously while the	ne aircraft is in fligh	t.
B) In symmetric cycles	during icing condition	ons to remove ice as it accumulates.
C) Whenever icing cond	ditions are first enco	ountered or expected to occur.
439.	S01A	AMA
What method is usually combustion heaters?	employed to contro	ol the temperature of an anti icing system using surface
A) Thermo cycling switch	ches.	
B) Thermostats in the co	ockpit.	
C) Heater fuel shutoff va	alves.	

In reference to aircraft fire extinguishing systems,

- (1) during removal or installation, the terminals of discharge cartridges should be grounded or shorted.
- (2) before connecting cartridge terminals to the electrical system, the system should be checked with a voltmeter to see that no voltage exists at the terminal connections.

Regarding the above statements,

A) only No. 2 is true.

A) repair of damaged sensing elements.

Maintenance of fire detection systems includes the

C) 1, 2, 3, and 4.

450.

T02A

C) replacement of damaged sensing elements.

451.Which fire extinguishing aA) Carbon dioxide.B) BromotrifluoromethaneC) Bromochloromethane	,	AMA ic?
A) water, carbon dioxide, B) water, dry chemical, m	T02A shing agents for aircraft interior fires a dry chemical, and halogenated hydro nethyl bromide, and chlorobromometha oride, carbon dioxide, and dry chemica	carbons. ane.
453.The proper fire extinguishA) water.B) carbon dioxide.C) dry powder chemical.	T02A ning agent to use on an aircraft brake t	AMA fire is
A fire extinguisher contain A) attaching a remote pre B) weighing the container C) a hydrostatic test.		AMA harge by